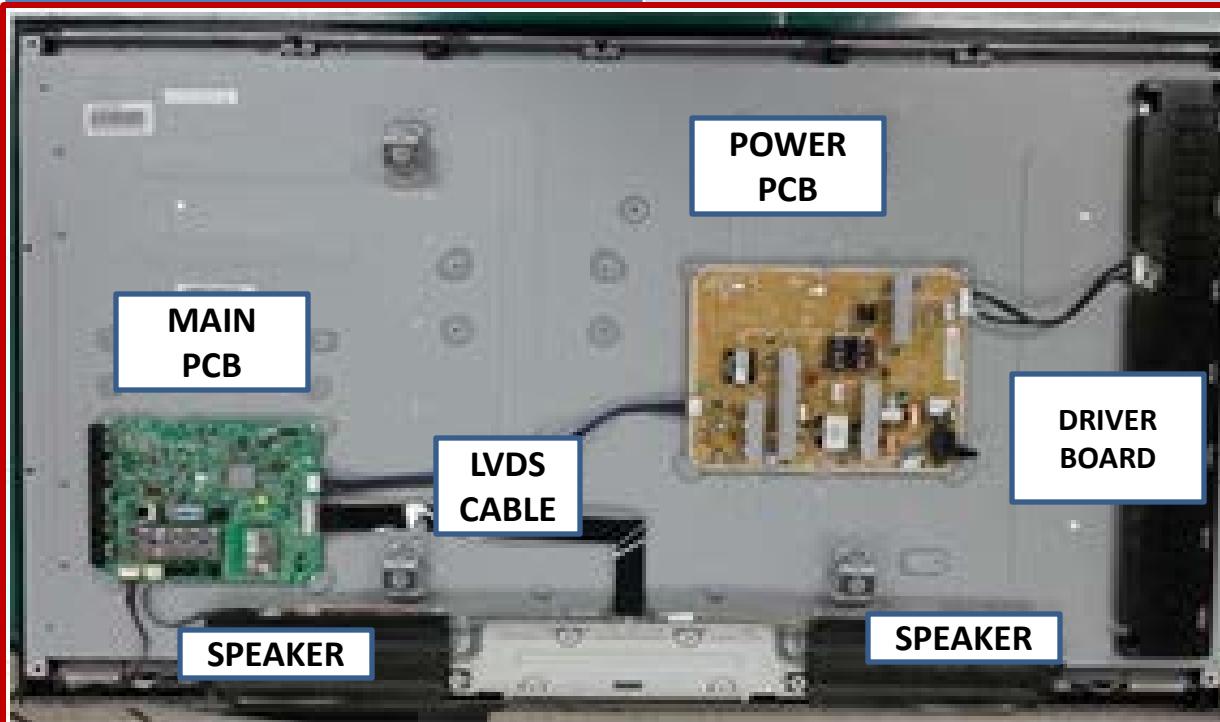


SERVICE BULLETINS

2011 LCD Option Byte Table
ASC20110624001.pdf



HELP : 1-888-751-4086; 1-866-894-0637 (FE)

<http://gspn3.samsungcportal.com>

PLUS ONE

<http://my.plus1solutions.net/clientPortals/samsung>

HOT TIPS

Power On Problems: (see page 2)

Video Problems: (see pages 3,4)

TIP If the unit has a vertical yellow colored line that is one pixel wide in the video, verify that it also affects the OSD. If so, replace the panel. If it does not affect the OSD and is in multiple sources, replace the main board.

FIRMWARE

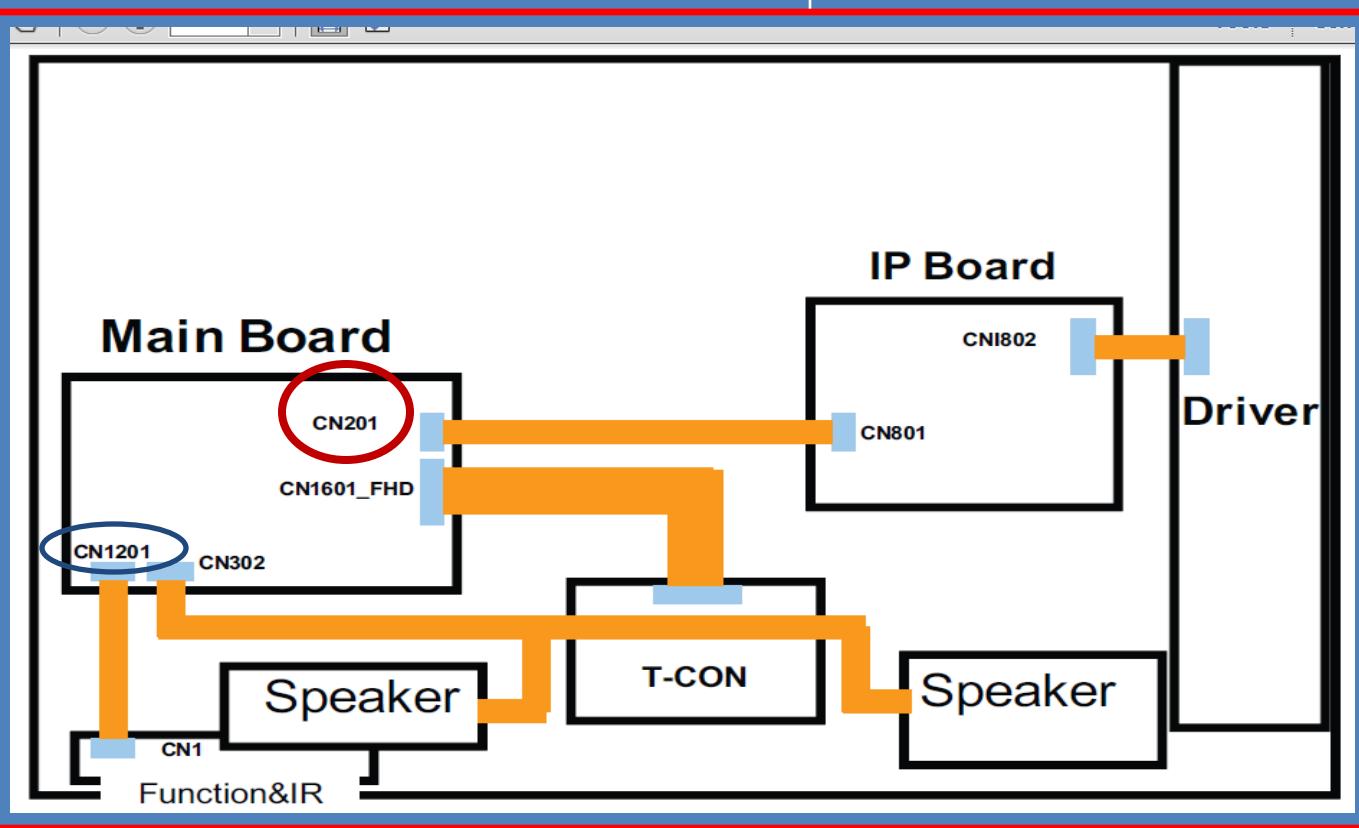
No current changes as of
12/29/11

Be sure to check for latest SW updates.

PARTS (Board Assemblies)

Be sure to check for latest parts updates.

Part No.						
Model Code	Side Label	Panel Module	Inverter	T-Con	Main B'd	Power
LN46D550K1FXZA	HJ02	BN07-00954A	BN81-05898A	BN81-05901A	BN94-04509U	BN44-00441A
	SQ03	BN07-00981A	BN81-05882A	BN81-05877A	BN94-04847E	BN44-00441A



1 CN201 (To Powr board)			
1	B5 V	8	GND
2	SW_POWER	9	B12VS
3	B5 V	10	SW_INVERTER
4	A5 V	11	B13V
5	GND	12	NC
6	GND	13	B13V
7	B12VS	14	PWM_DIMM

Power On Sequence (approximate Voltages)

1. Standby Voltages: CN201-4 (5V)
2. Power On CN201- 2(0 – 3.5V)
3. Low Voltage Supplies On CN201-1,3,7,9, 11, 13 (Volts Listed on CN201)
4. Back Light On CN201- 10(0-5V delayed)
5. Back Light Confirm CNI802- "0VP" (approx 03 Volts Dim - .1 Volts bright)
6. Dimming Signal CN201-14 (1V–4V approx)

To Force Backlight On without Main Board :

1. Remove Power Cord
2. Remove CN 801
3. Plug Power Cord In.
4. Backlight should be on immediately.

6 CN1201 (FUNCTION)			
1	IR	5	MSDA
2	GND	6	FUNC_INTR
3	A3.3V	7	LED_STB
4	MSCL	8	NC

TROUBLESHOOTING VIDEO PROBLEMS

1. Verify Video Operation

- a. Boot Logo with power on
- b. Customer Picture Test in user menu
- c. "Display" (If display and Boot Logo & Customer Picture Test is OK the source or cables are first suspected. Then check for a defective input on the Main Board.)
- d. Substitute with known good Source (external DVD or Signal Generator to check inputs on Main Board)

2. Using Test Patterns in Service Mode

- ENTER SERVICE MODE -

1. Select an active source signal since Test Pattern may rely on signal source to appear or select TV Source mode.

Customer Remote

2. Power Standby
3. Mute, 182, Power On

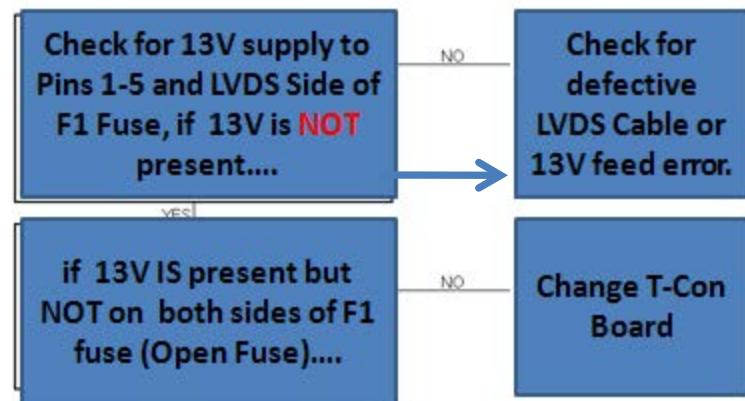
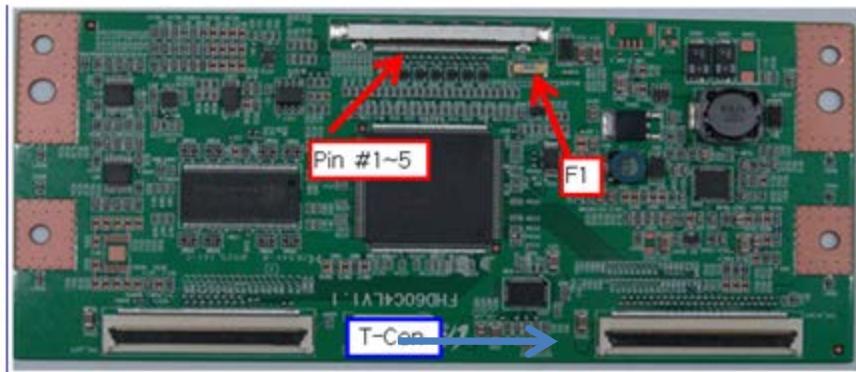
Service Remote

2. Power On
3. Info, Factory

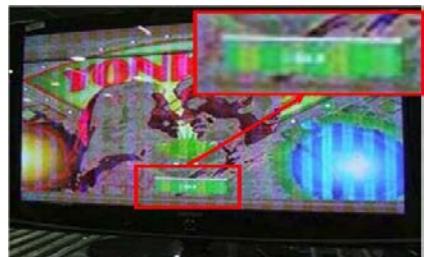
4. Select SVC

5. Select Test Patterns

T-Con Troubleshooting



ON SCREEN FAILURE EXAMPLES:



If Picture & Display errors
Defective Main Board, LVDS,
or T-CON



Green lines or a green screen
defective main board , LVDS , or
T-CON.

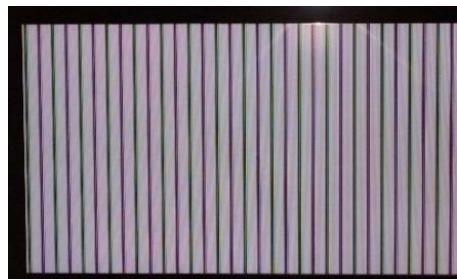


Original Image



Image on Screen

Pixelization can be caused by the main board
but is more commonly a source error



Vertical or Horizontal Lines :Defective
Panel likely but also T-CON, LVDS, or Main
Board. Use Test Patterns in Factory Service
Mode to determine error)

ALIGNMENTS:

1. Check/Set Option Bytes: in Service Mode

Option	T - MST4AUSC - XXX T - MSTAUSS - XXX E - Manual: UXSATSCA-XXXX
Control	EDID SUCCESS HDCP: SUCCESS CALIB: AV / COM / PC / HDMI / Option: XXXX XXXX XXXX X
SVC	SDAL - XXX RFS: P0154 T - TDT5AKSRC KERNERL MODULE VERSION: "XXXXXX_XX" 20XX - XX - XX
Expert	TYPE: XXXXXX MAC Not Available FACTORY DATA VER: XXX EERC VERSION: XXX DTP - AP - COMP - 310 - 01 DTP - HIG - 0304 DTP - BP - 0314 DATE OF PURCHASE: XX / XX / XX
ADC / WB	

Factory Reset	
Type	50HSnB4
Model	PB550
TUNER	ALPS
Region	US
DDR	SAMSUNG
Light Effect	Off
Inch	50"
Exhibition Mode	Off

Model Code	Front Color	Type	Model	Tuner	Region	
LN46D550K1 FXZA	T-R- BLK	46D6AF0C	LD550	SI_ATC		

2. Check/Perform latest Firmware Upgrade for all repairs.

3. Perform reset in Service Mode & Plug and Play if Main board is replaced.

SPECIAL NOTES:

Inform customer of reset of all
Settings if Main Board or Panel is replaced.